BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: **Estimate for the work of: Improvements to road, drain and footpath in main and cross roads of Sahakaranagara D Block in ward no. 08 Kodigehalli.**

Est Cost Rs. 5000000.00

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33, PWD SR 2016-17**	Cum							
	Deenclave main road		2	18.00		1.80	64.80		
	4th cross		2	122.00		1.80	439.20		
	Sahakarangara								
	11th Cross		2	162.00		1.80	583.20		
	12th and 13th Cross		2	68.00		1.80	244.80		
							1332.00	80.56	**107306.00**
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
2	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 Page No. 142 / Item No. 19.10, PWD SR 2016-17	Cum							
			4	18.00	0.30	0.30	6.48		
			2	18.00	0.30	0.35	3.78		
			2	121.00	0.30	0.30	21.78		
			2	121.00	0.30	0.35	25.41		
	Desilting		2	165.00	0.60	0.60	118.80		
	Earthwork		2	165.00	0.30	0.35	34.65		
	Desilting		2	68.00	0.60	0.60	48.96		
	Earthwork		4	68.00	0.30	0.30	24.48		
	For culvert		3	6.00	2.00	1.15	41.40		
							325.74	86.92	**28313.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
3	KSRB 4-1.2 : Providing and laying in position **plain cement concrete of mix 1:3:6** with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation** including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 of CSR 2016-17)	Cum							
			2	18.00	0.30	0.15	1.62		
			2	18.00	0.20	0.15	1.08		
			2	18.00	0.30	0.15	1.62		
	D Block Sahakarangara		2	162.00	0.20	0.15	9.72		

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
		2	162.00	0.30	0.15	14.58		
		2	162.00	0.30	0.15	14.58		
		2	68.00	0.20	0.15	4.08		
		2	68.00	0.30	0.15	6.12		
		3	6.00	2.00	0.15	5.40		
						58.80	5348.76	**314507.00**

For culvert

Basic Rate	5046.00
Area Weightage @ 6%	302.76
Total	**5348.76**

4 KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.27.1, PWD SR 2016-17

Sqm

2	18.00	0.60	21.60		
2	122.00	0.60	146.40		
2	162.00	0.40	129.60		
2	68.00	0.40	54.40		
			352.00	993.22	**349613.00**

Basic Rate	937.00
Area Weightage @ 6%	56.22
Total	**993.22**

5 KSRB 5-11 : Providing and constructing non load bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 Page No. 25 / Item No. 5.28, PWD SR 2016-17

sqm

2	18.00	0.60	21.60		
2	122.00	0.60	146.40		
2	162.00	0.40	129.60		
2	68.00	0.40	54.40		
			352.00	758.96	**267154.00**

Basic Rate	716.00
Area Weightage @ 6%	42.96
Total	**758.96**

6 KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Page No. 13 / Item No. 5.9, PWD SR 2016-17

Sqm

3x4	6.00	0.80	57.60		
			111.00	5305.30	**588888.00**

Basic Rate	5005.00
Area Weightage @ 6%	300.30

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Total	**5305.30**							
KSRB 4.2.7 : Providing and laying in position **reinforced cement concrete of design mix M25** with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 Page No. 13 / Item No. 4.12, PWD SR 2016-17	Cum							
Dee enclave		2	18.00	0.10	0.075	2.70		
Dee enclave 4th cross		2	18.00	0.20	0.075	2.70		
Dee enclave 4th cross		2	122.00	0.10	0.075	18.30		
Road Side		2	122.00	0.20	0.075	18.30		
Sahakaranagara D Block 11th cross		2	162.00	0.10	0.075	24.30		
Sahakaranagara D Block 11th cross		2	162.00	0.20	0.075	24.30		
Sahakaranagara D Block 12th cross		2	68.00	0.10	0.075	10.20		
		2	68.00	0.20	0.075	10.20		
						111.00	6749.02	**749141.00**
Basic Rate	6367.00							
Area Weightage @ 6%	382.02							
Total	**6749.02**							
8 KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 113 / Item No. 15.1, PWD SR 2016-17	Sqm							
		3x4	6.00		0.80	57.60		
						448.20	174.90	**78390.00**
Basic Rate	**165.00**							
Area Weightage @ 6%	9.90							
Total	**174.90**							
9 Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete. Page No. 25 / Item No. 5.31.2, PWD SR 2016-17	Cum							
		2	18.00		1.20	43.20		
		2	122.00		1.20	292.80		
		2	162.00		0.90	291.60		
		2	68.00		0.90	122.40		
						750.00	825.74	**619305.00**
Basic Rate	779.00							
Area Weightage @ 6%	46.74							
Total	**825.74**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 Page No. 24 / Item No. 5.22, PWD SR 2016-17	RMtr							
		2	31.00		3.60	62.00		
		2	204.00		3.60	408.00		
						470.00	37.10	**17437.00**
Basic Rate	35.00							
Area Weightage @ 6%	2.10							
Total	**37.10**							
11 Machine cutting (Data rates)	RMtr							
			Vide ite No. 10			470.00		
						470.00	60.00	**28200.00**
Data rate	60.00							
12 KSRB 5-8.1 : Providing one line dressing to granite stone slab / granite stone masonry as per specifications .KBS 5.1.13	RMtr							
			Item No. 09			**750.00**	577.70	**433275.00**
Basic Rate	545.00							
Area Weightage @ 6%	32.70							
Total	**577.70**							
13 Providing and fixing pre cast solid concrete kerb stones of size 450x200x400 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete. Page No. 25 / Item No. 5.29.10, PWD SR 2016-17	no							
		2	18.00			36.00		
		2	122.00			244.00		
		2	162.00			324.00		
		2	68.00			136.00		
		2	68.00			136.00		
						876.00		
				71 Nos.		58		
						2365.00		
Deduct						**2307**	385.84	**889979.00**
Basic Rate	364.00							
Area Weightage @ 6%	21.84							
Total	**385.84**							
14 KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. 15.80, PWD SR 2016-17	Sqm							
		2	18.00		0.40	14.40		
		2	122.00		0.40	97.60		
		2	162.00		0.40	129.60		
		4	68.00		0.40	108.80		
						350.40	27.56	**9657.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
RB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. Page No. 122 / Item No. 15.81, PWD SR 2016-17	Sqm							
			Vide Item no. 14			**350.40**	69.96	**24514.00**
Basic Rate	66.00							
Area Weightage @ 6%	3.96							
Total	**69.96**							
Basic Rate	26.00							
Area Weightage @ 6%	1.56							
Total	**27.56**							
16 KSRRB M300- Wrought iron and mild steel welded work KSRRB M300-18. Wrought iron and mild steel welded work (using angles, square bars, tees and channel grills, grating frames, gates and tree guards of any size and design etc. including cost of screens and welding rods or bolts and nuts complete fixed in position but without the cost of excavation and concrete for fixing which will be paid separately complete as per specifications. (25 kg per sq mtr) Page No. 15 / Item No. 19.97, PWD SR 2016-17	quintal							
		71	0.45	0.45	25.00	**359.44**		
						3.59	385.84	**1387.00**
Basic Rate	364.00							
Area Weightage @ 6%	21.84							
Total	**385.84**							
17 A) KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 (Page No. 132 / Item No. 17.1) Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 10.00 Km etc complete as per specifications and directions of engineer in charge of the work	**cum**							
			Qty Item No. 02			325.74		
						35.00		
Historical Debries Sahakaranagara D Block						360.74	106.00	**38238.00**
2.5x1.28x10	32.00							
Basic Rate	**68.00**							
	100.00							
Area Weightage @ 6%	6.00							
Total	**106.00**							

20	Miscellaneous and unforeseen charges	165 6171.60
	Total Rs:-	5000000.00

(Rupees Fifty lakhs)

CERTIFICATES

1 The work will be Executed within BBMP limit only
2 The work spot is inspected by me
3 The items Provided in the Estimate are quite Essential
4 The Estimate is prepared Based on CSR 2016-2017

Asst.Engineer
Waard No-8

Asst. Executive Engineer
Kodigehalli Subdivision
BBMP, Bangalore

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore
5/04

Technical Sanction
Accorded For 50.00 lakh Rs.
Head of A/C P311
CER NO : 04 Dt: 06.04.17

TA — CE (YNK)

ADMINISTRATIVELY SANCTIONED FOR Rs 50.00 lakhs
Rupees fifty lakhs only
Unde P-3111
Subject to conditions
endorsement to EE ( ) No
Dt Estimate
JC(4) part AS/03/17-18
dated 6-4-2017 50.00 Lacs

Commissioner
(Yelahanka Zone)
BBMP Bengaluru-92